

**ETHYLENE TRIMERIZATION CATALYST AND METHOD FOR TRIMERIZING  
ETHYLENE THEREWITH**

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**Abstract of JP10036431**

**PROBLEM TO BE SOLVED:** To obtain an ethylene trimerization catalyst which can give 1-hexene useful as a comonomer for a linear low-density polyethylene at good efficiency by combining a specified chromium-containing solid substance with a pyrrole- containing compound and an alkylmetal compound.

**SOLUTION:** This catalyst comprises a chromium-containing solid substance (A) which is obtained by impregnating an inorganic oxide with a chromium compound and calcining the product and in which the chromium compound is in the form of an oxide, a pyrrole-containing compound (B) and an alkylmetal compound (C). It is prepared by using components A, B and C as the starting materials and bringing them into contact with each other in a solvent. The temperature at which these three components are brought into contact with each other is -100 to 250 deg.C, desirably 0-200 deg.C. The time necessary to prepare the catalyst system is 0min to 24hr, desirably 0min to 2hr.

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